

Figure 1. Synthesis of MDMA-KLH Immunogen (10)

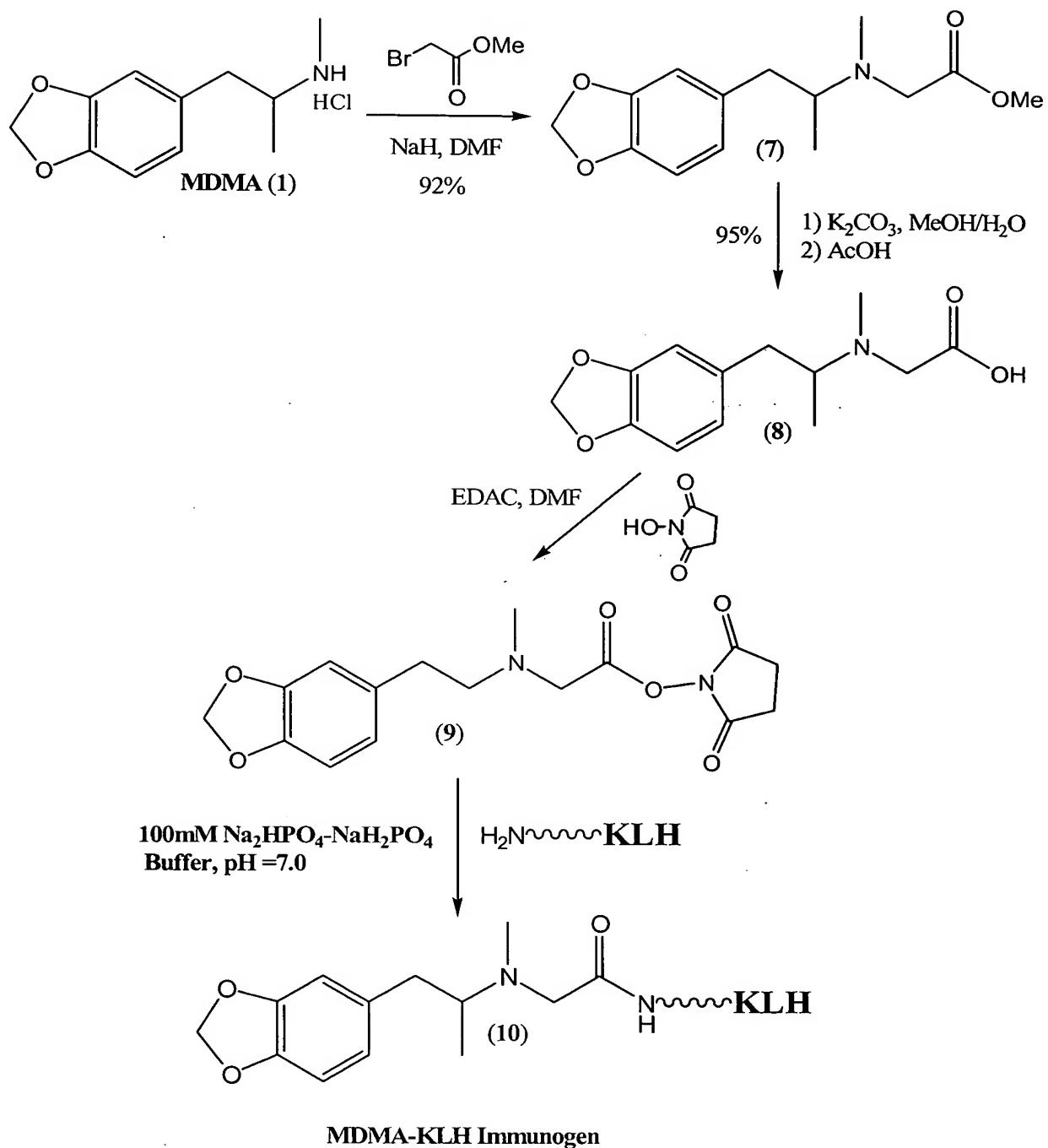


Figure 2. Synthesis of MDA-KLH Immunogen (14)

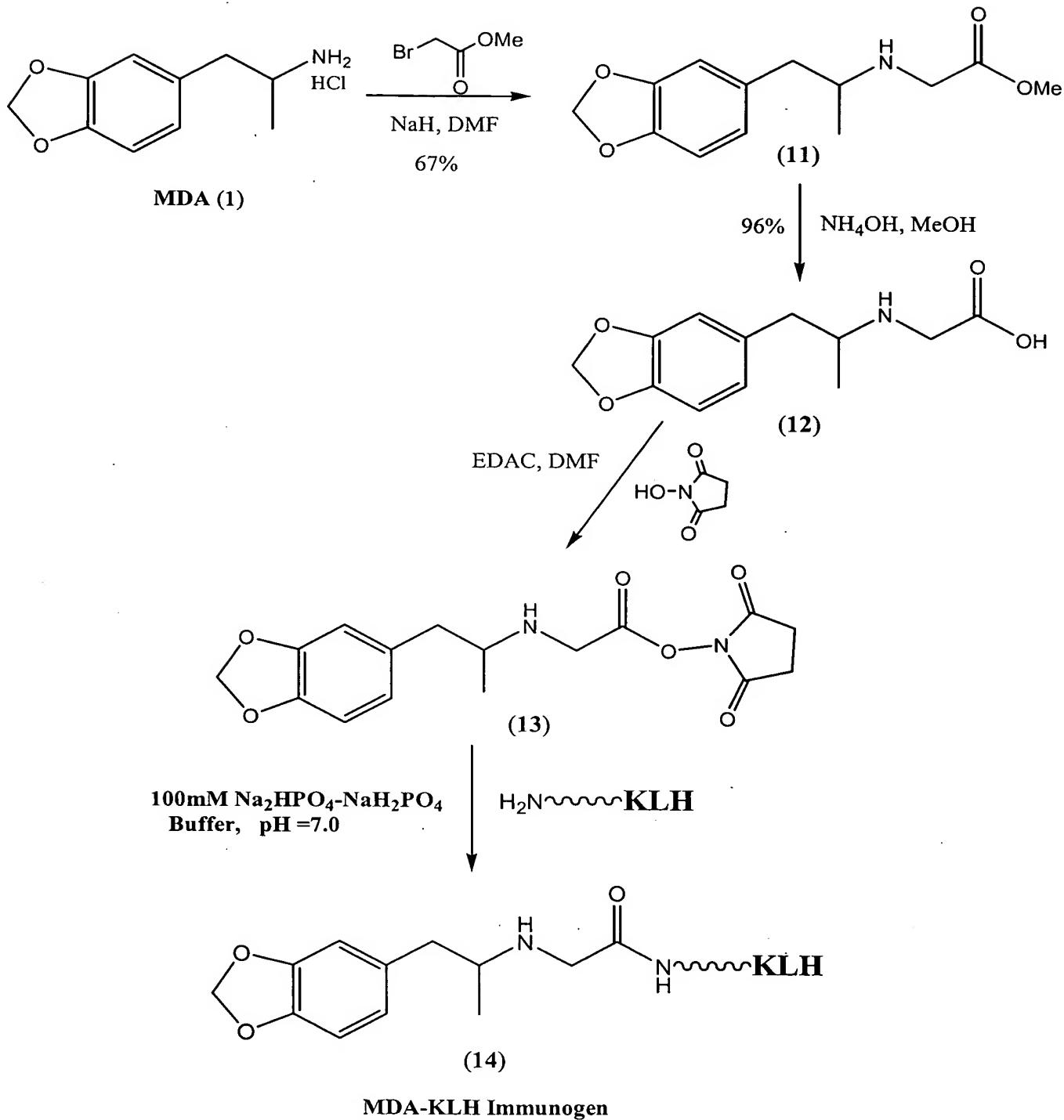


Figure 3. Synthesis of MDMA Haptens (15)-(17)

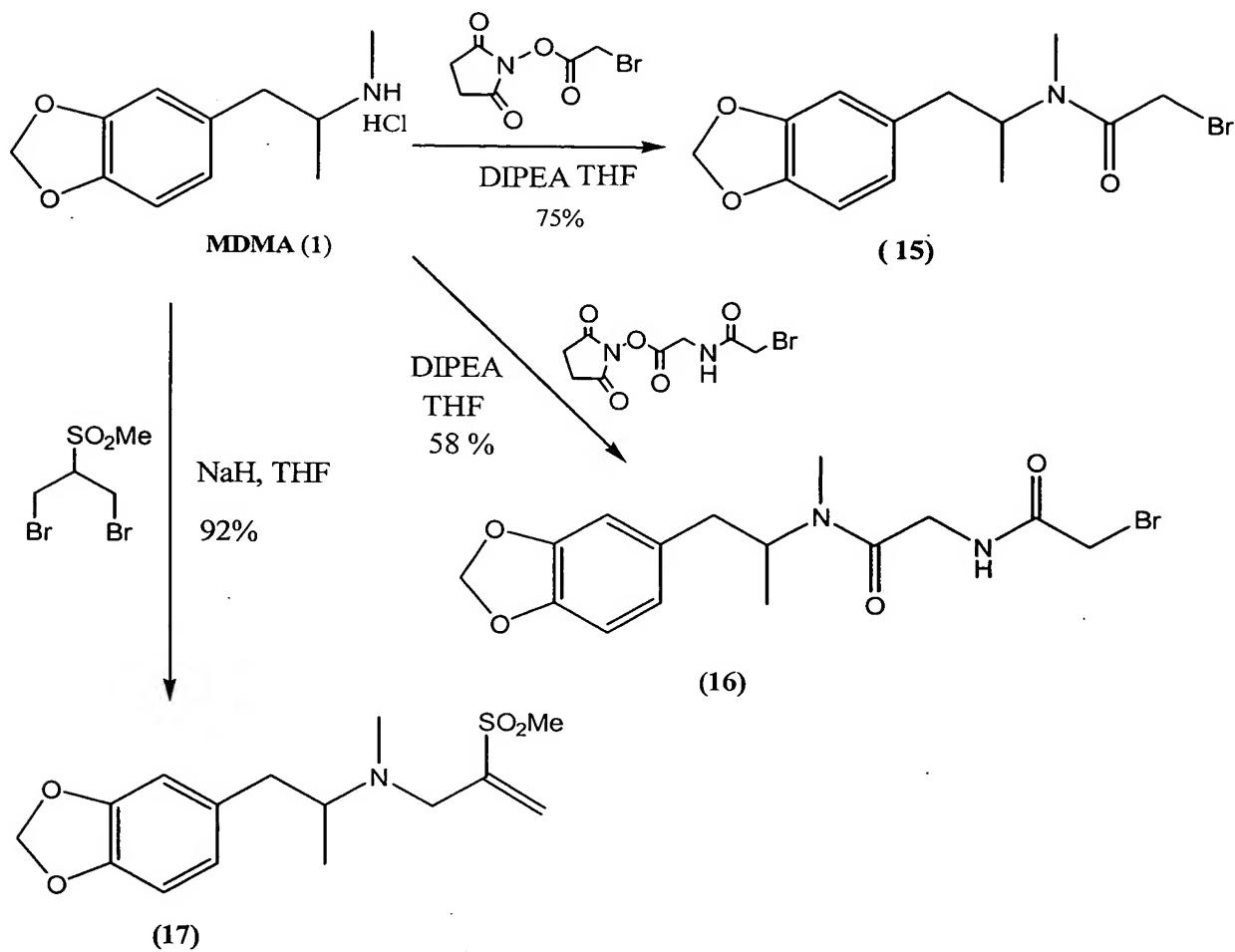


Figure 4A. Synthesis of MDA Haptens (18)-(19)

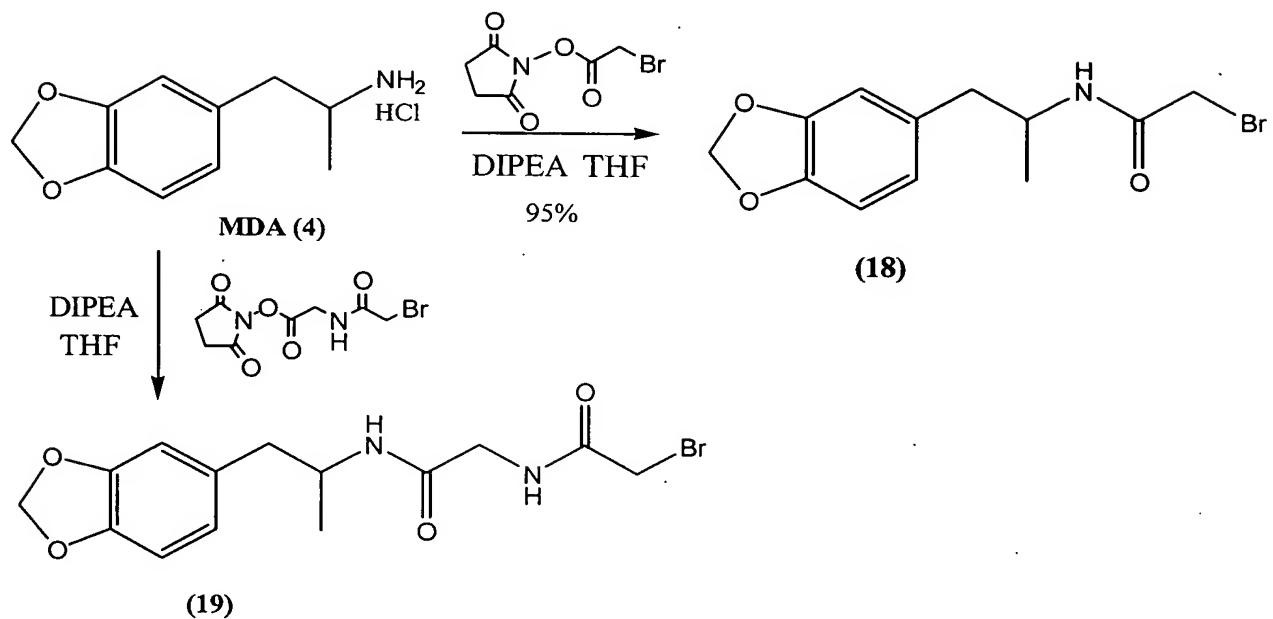


Figure 4B. Synthesis of MDA Hapten (20)

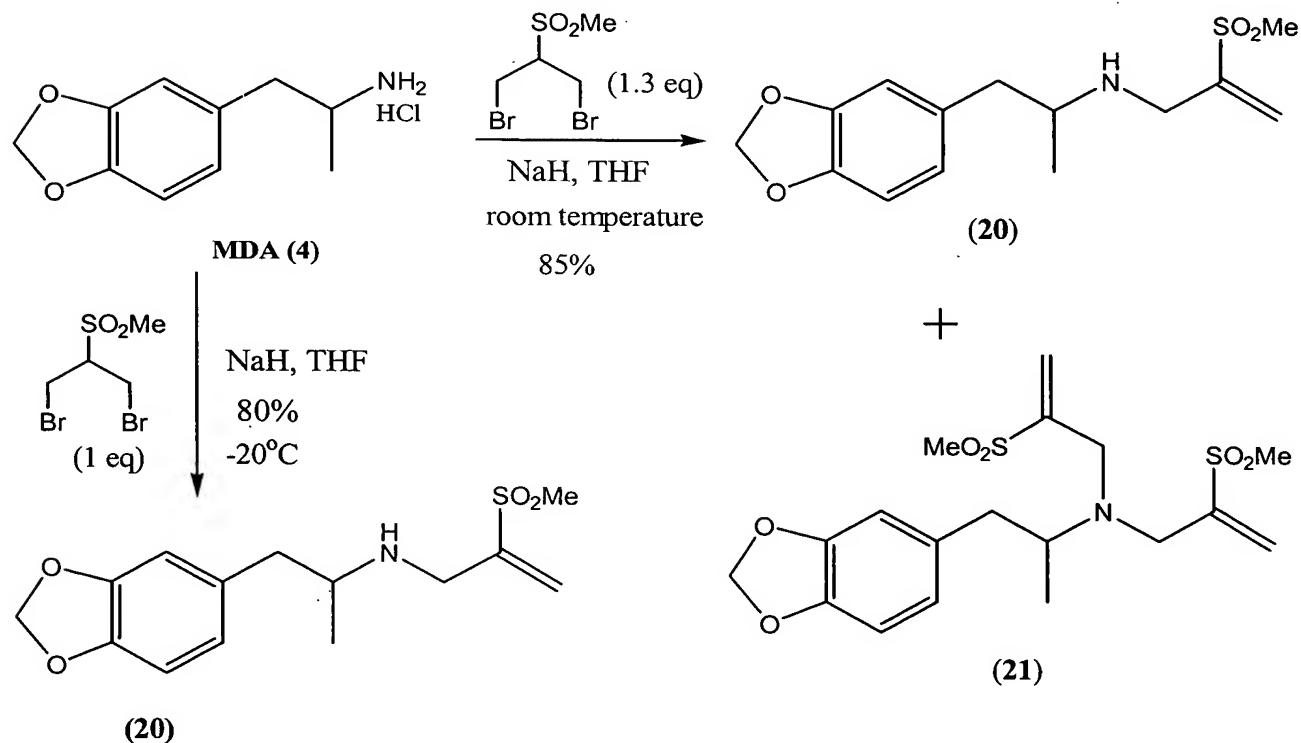


Figure 5. Synthesis of HMMA Intermediate (29) for Immunogen (30)

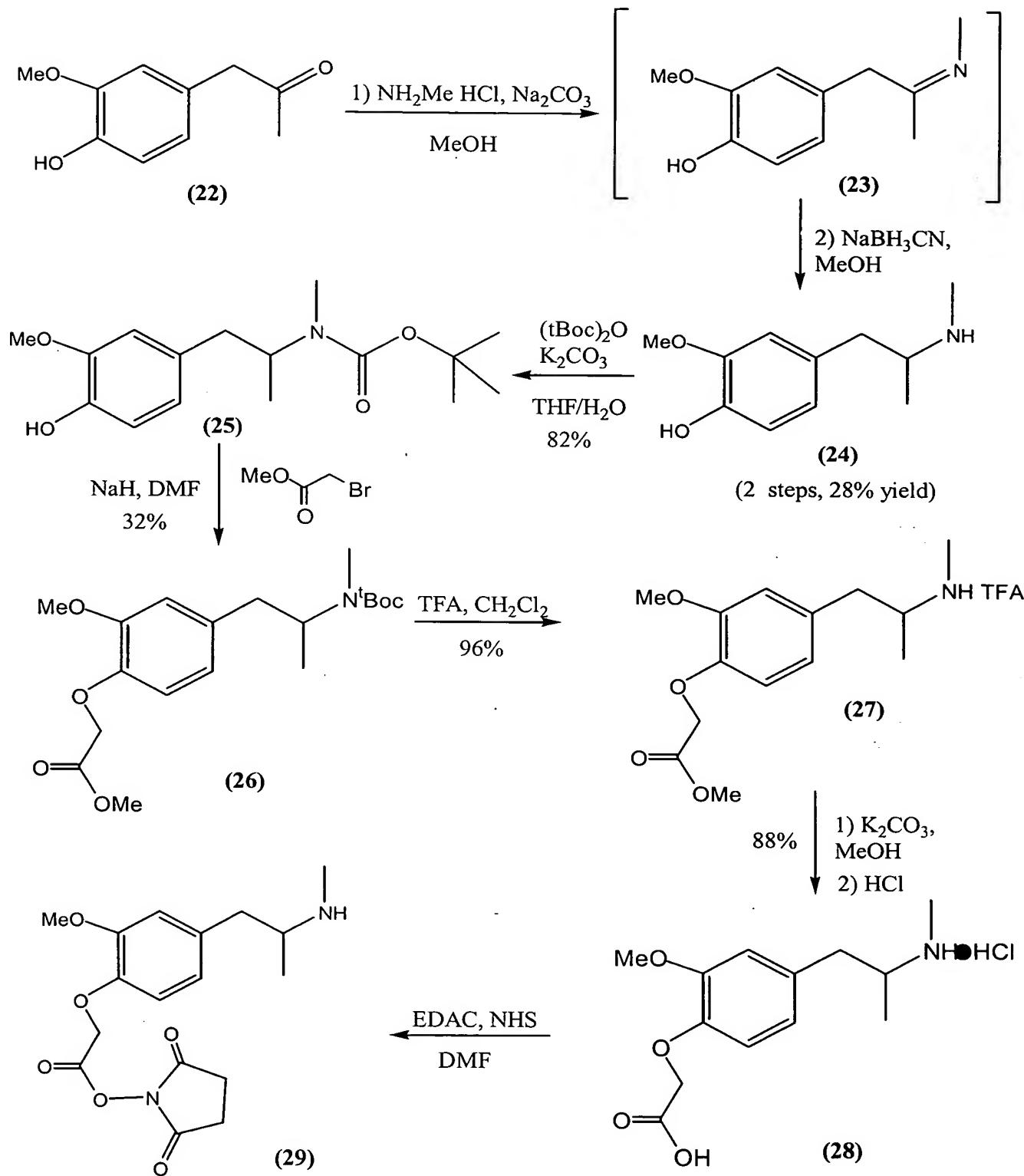


Figure 6. Synthesis of HMMA-KLH Immunogen (30)

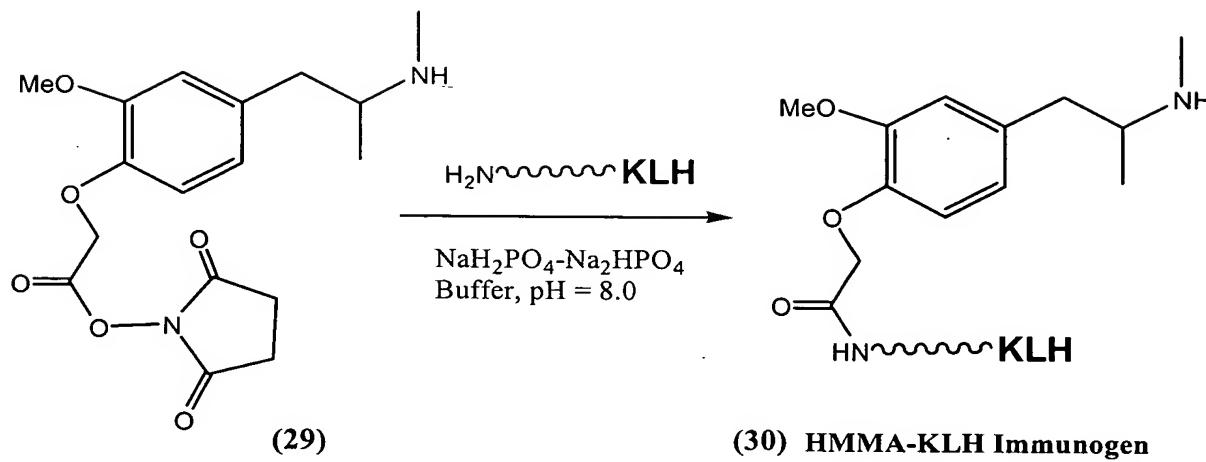


Figure 7. Synthesis of HMMA-KLH Immunogen (36)

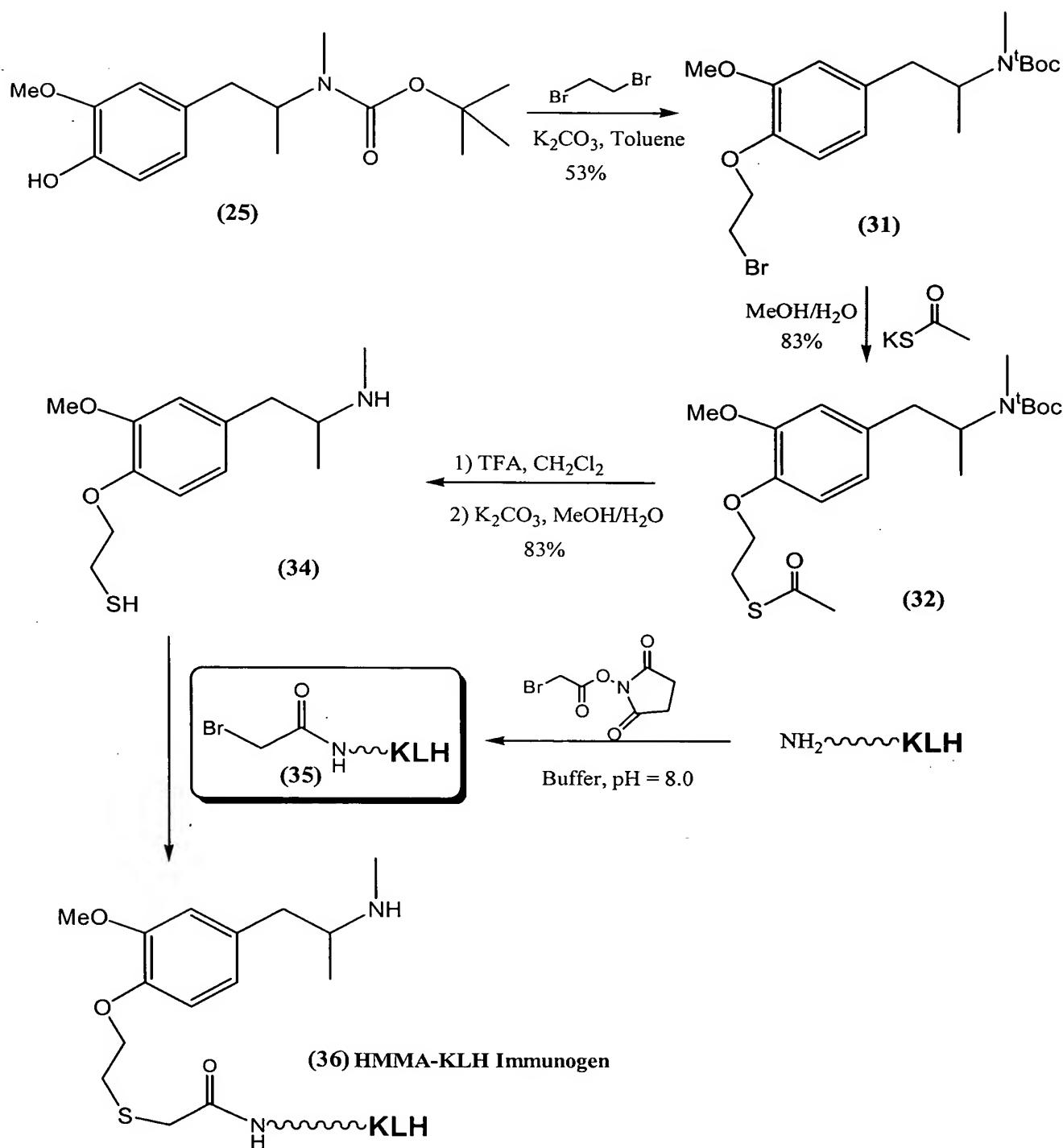


Figure 8A. Synthesis of MDMA Hapten (38)

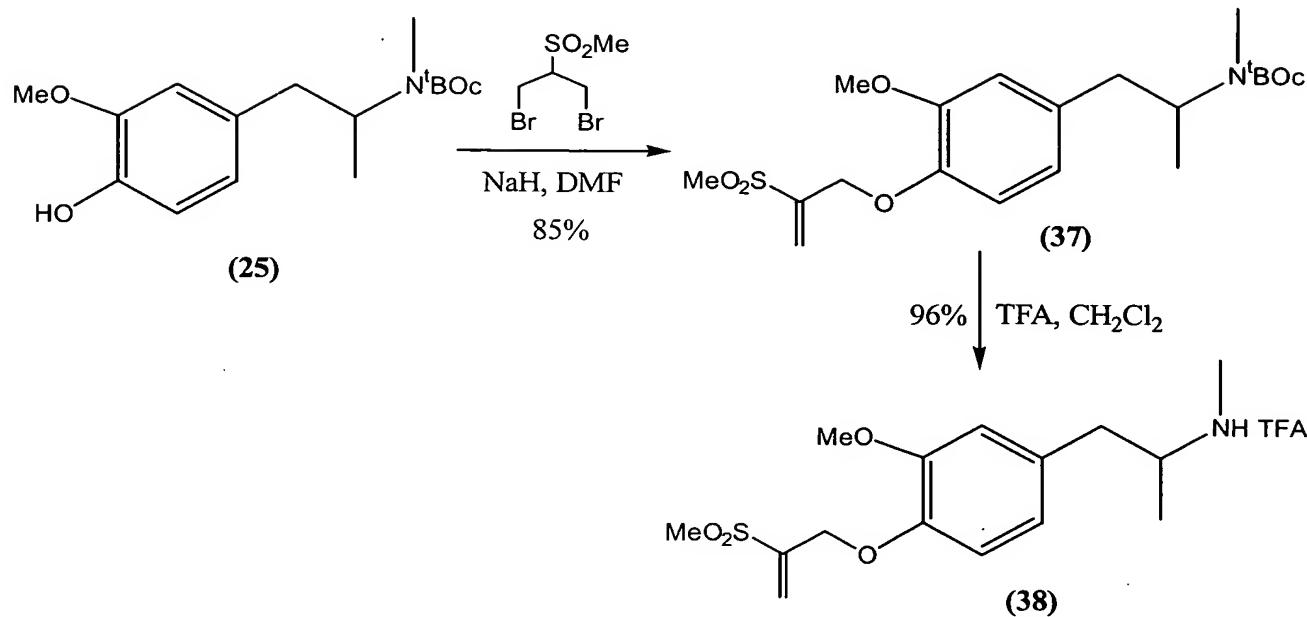
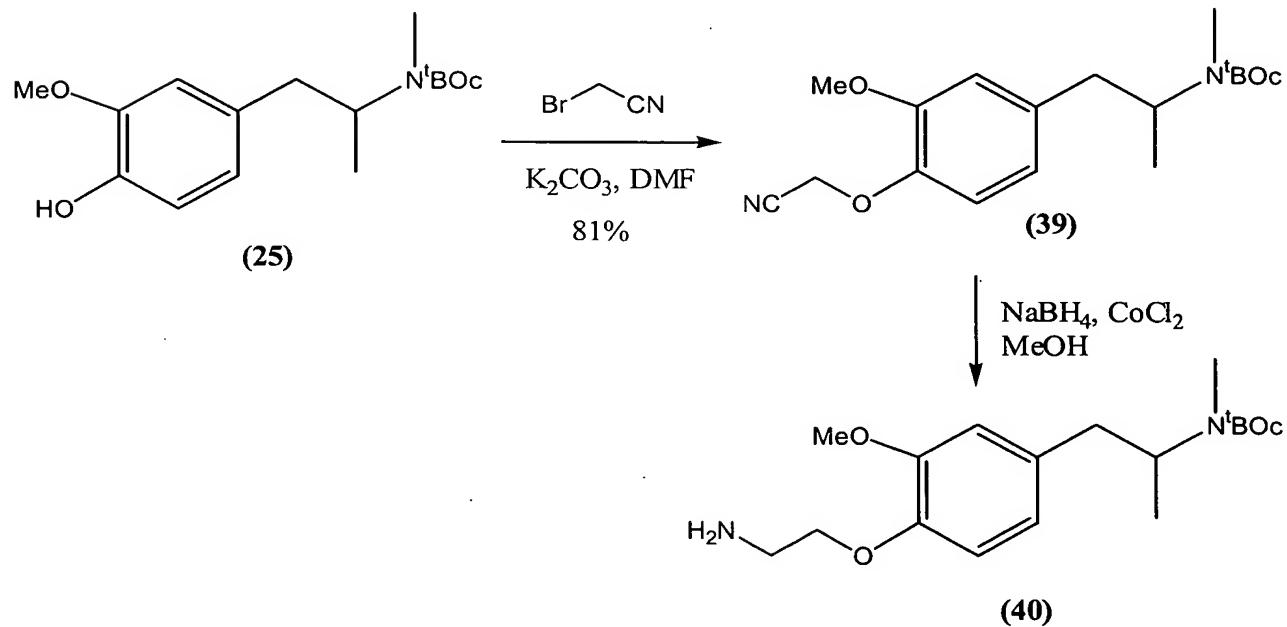
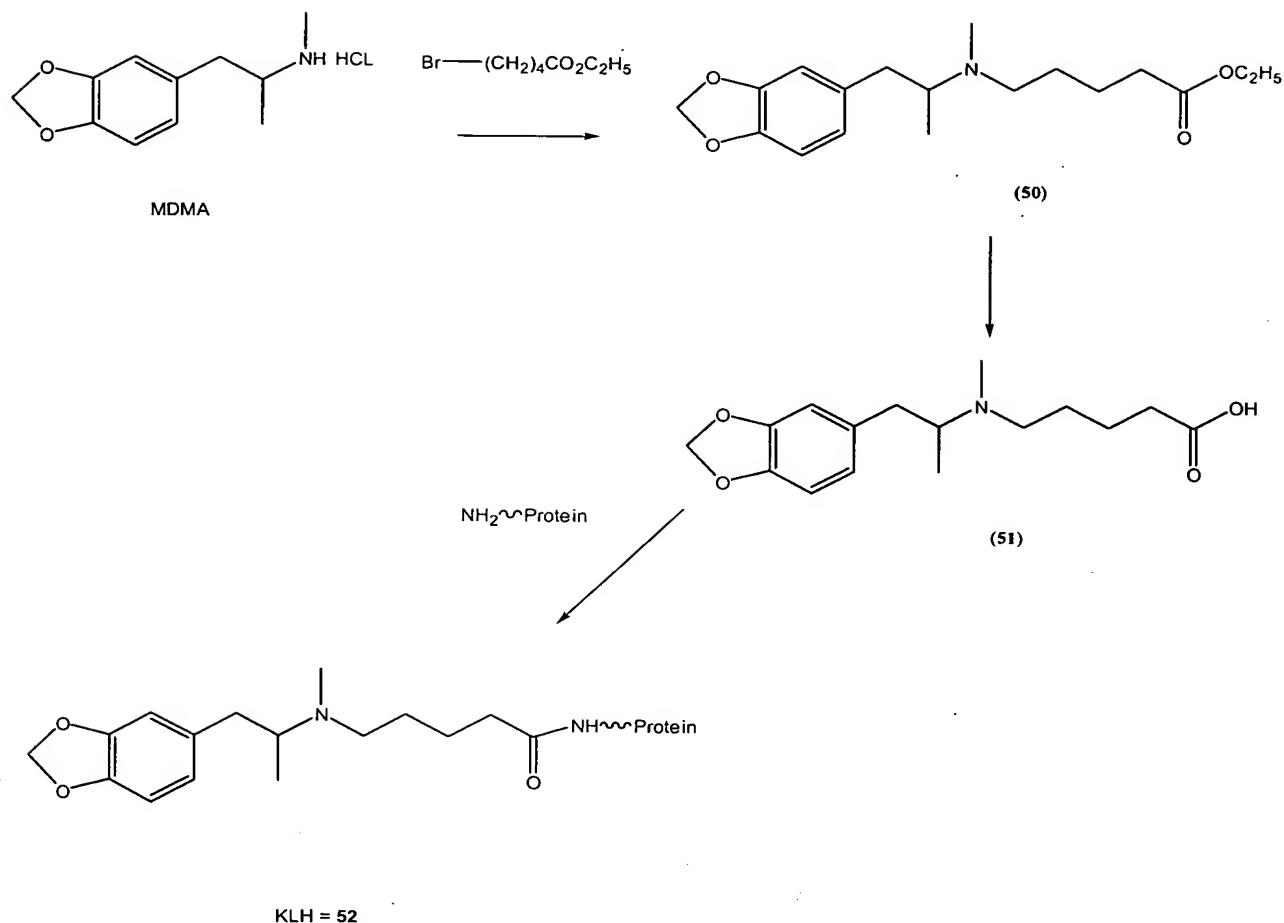


Figure 8B. Synthesis of MDMA Hapten Intermediate (40)



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FIG. 9



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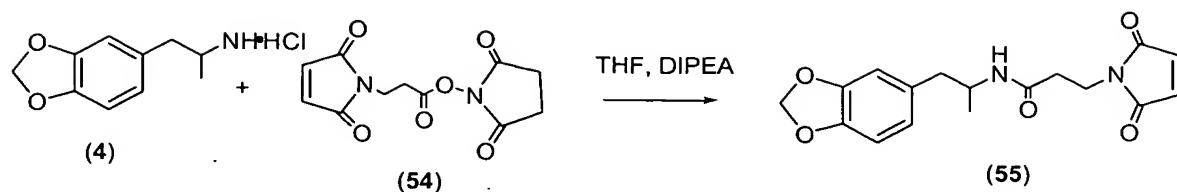


FIG. 10

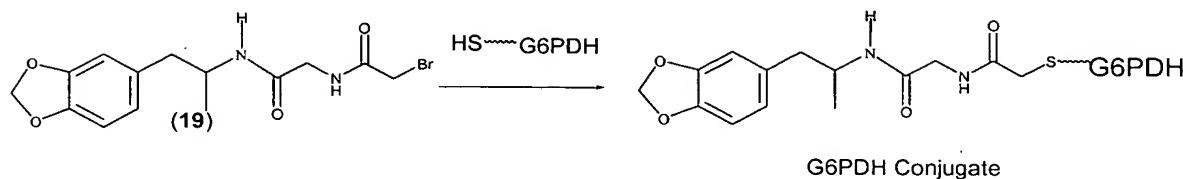


FIG. 11

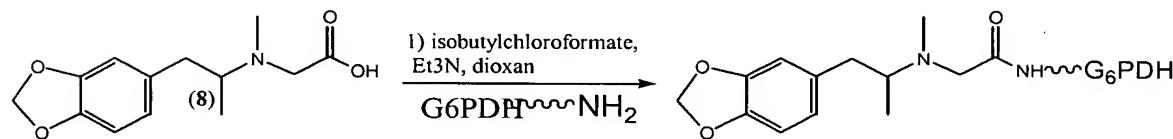


FIG. 12

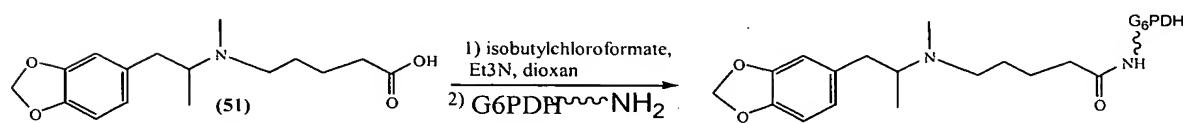


FIG. 13

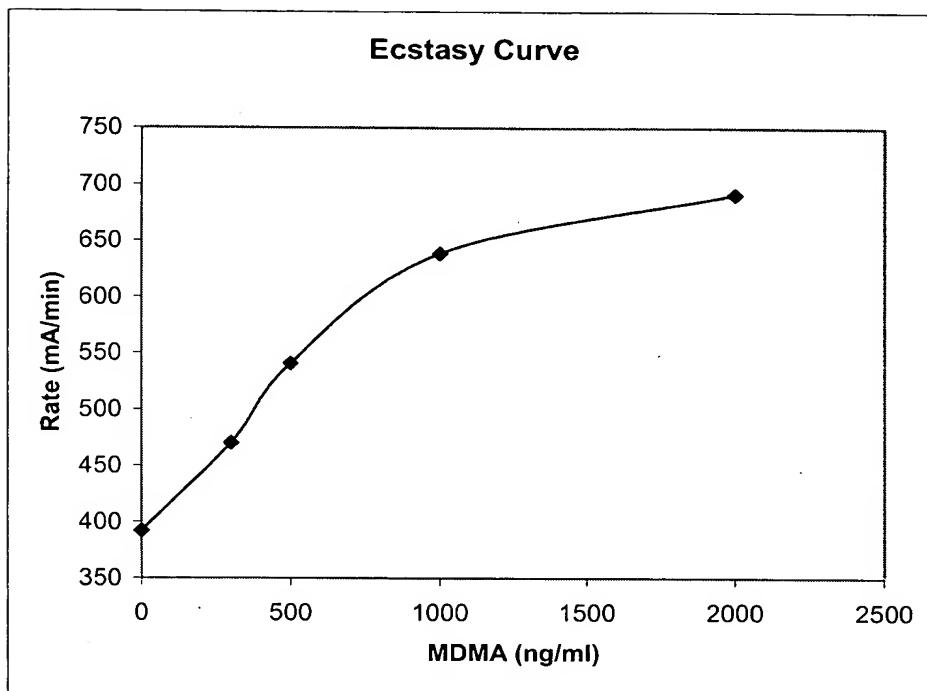


FIG. 14

MDMA Recovery by the Ecstasy Assay

Nominal Ecstasy Concentration (ng/ml)	Ecstasy conc. (ng/ml)
200	191
250	241
375	360
450	428
750	730
1250	1222
1500	1478

FIG. 15